NAVSEA
PORT HUENEME
Surface Warfare Center Division

N Naval S Systems D Data S Support A Activity

The Next Generation in Acquisition Logistics

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Agenda

N Naval S Systems D Data S Support A Activity

- Introductions
- The Problem
- The SMART² Solution
- M-SPECS: the Precursor
- The SMART² Process
- Next Steps

The Problem

- Acquisition process is lengthy, requires detailed expertise, and is costly
- We aren't following the rules; aren't conforming to standards, directives and regulations
- We either "under-spec" or "over-spec" our requirements
- We don't collaborate / integrate well
- Our experts will be leaving, taking with them decades of intellectual property

The Solution

- **The SMART-T Concepts:**
  - **Expert System**
  - **Modularized**
  - **"Waterfall" effect - data re-use**
  - **Requirements tailoring**

BETTER
FASTER
CHEAPER

- **Essentially, breaking down requirements into modularized piece-parts and associating these parts with questions. Allows users to tailor requirements to actual needs.**
- **Commercial examples: TurboTax, Dell**

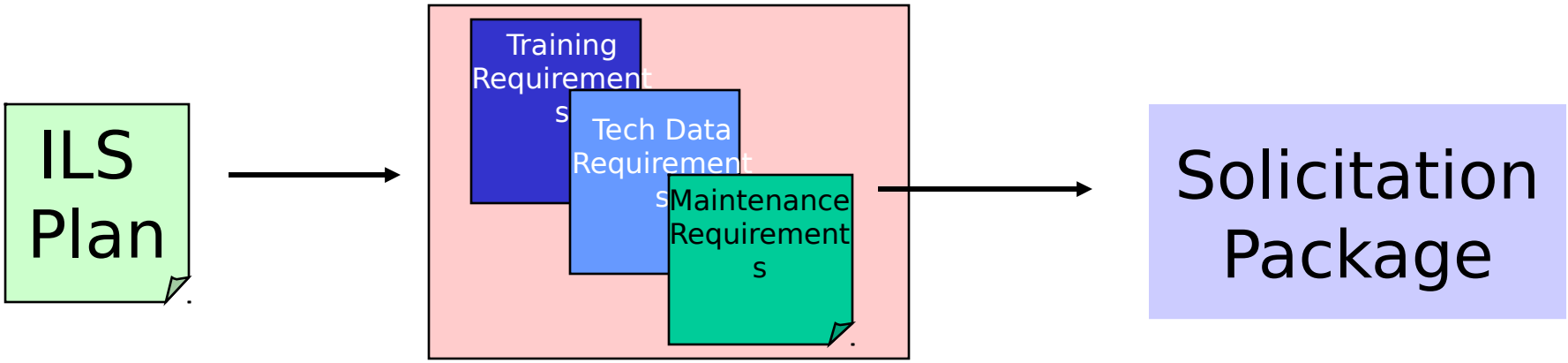
Key Smart Benefits

- **The SMART² Solution is substantially better, faster and cheaper than existing approaches.**
  - Better
    - Best practices / expertise is embedded
    - Outputs conform to latest NAVY and DOD standards for process
    - Accurate solicitations
  - Faster
    - Solicitation preparation
    - Solicitation review & contract execution
    - Delivery verification
  - Cheaper
    - Allows average user to produce expert results.
    - Goldi-Locks: not too much, not too little.

- **SMART² is a job performance solution that targets the DOD's enterprise-wide needs to reduce costs, improve quality and capture the intellectual capital of experts who will retire in just a few years.**

Overview

- The **Streamlined Modular Acquisition Requirements Tailoring Tool (SMART²)** was initiated as an extension of the Navy Modular Specification System.
- SMART² is designed to manage a large part of the Major Acquisition Procurement Lifecycle - from requirements definition to contract sourcing.
- SMART² is an **intuitive, web-based application** for program managers and their integrated logistics support team to **generate tailorable acquisition requirements documents** throughout the solicitation process.



M-SPECS: the Precuror

1979 Conceived by Mr. Russ Bain of NSDS

1981 M-SPECS completed

- Has since produced over **8,100 TMCRs**

1995 E-TMARC form available on WWW

1998 M-SPECS completely online & paper.

- Generates tailored TMCRs in **under 10 minutes** and stores them in an **online repository** for public distribution and reference

2000

Received the **Hammer Award** in April 2000 for process improvement and cost avoidance

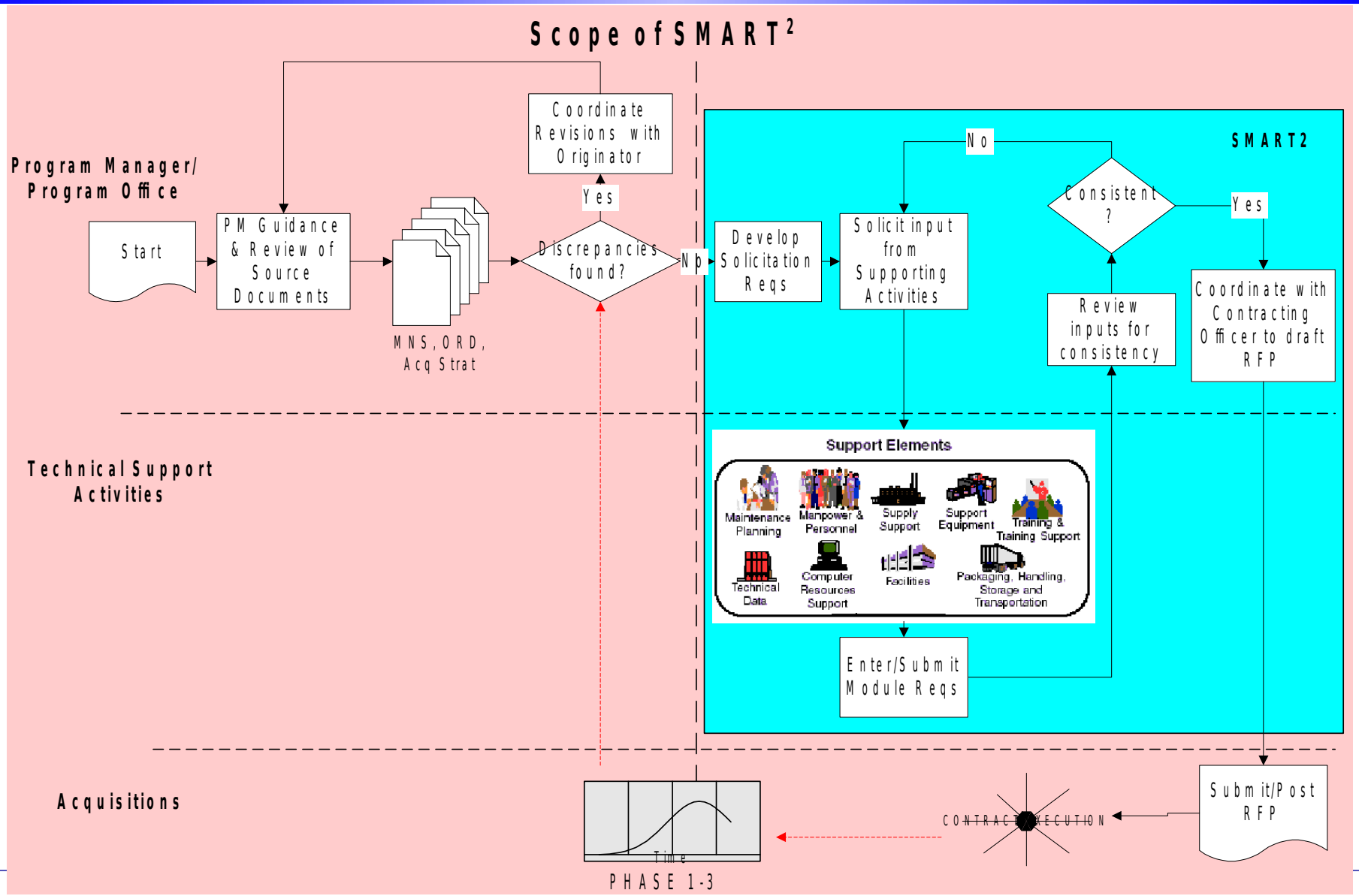
2001 Began SMART² concept as extension of MSPECS to all logistics areas

Today SMART² prototype in development

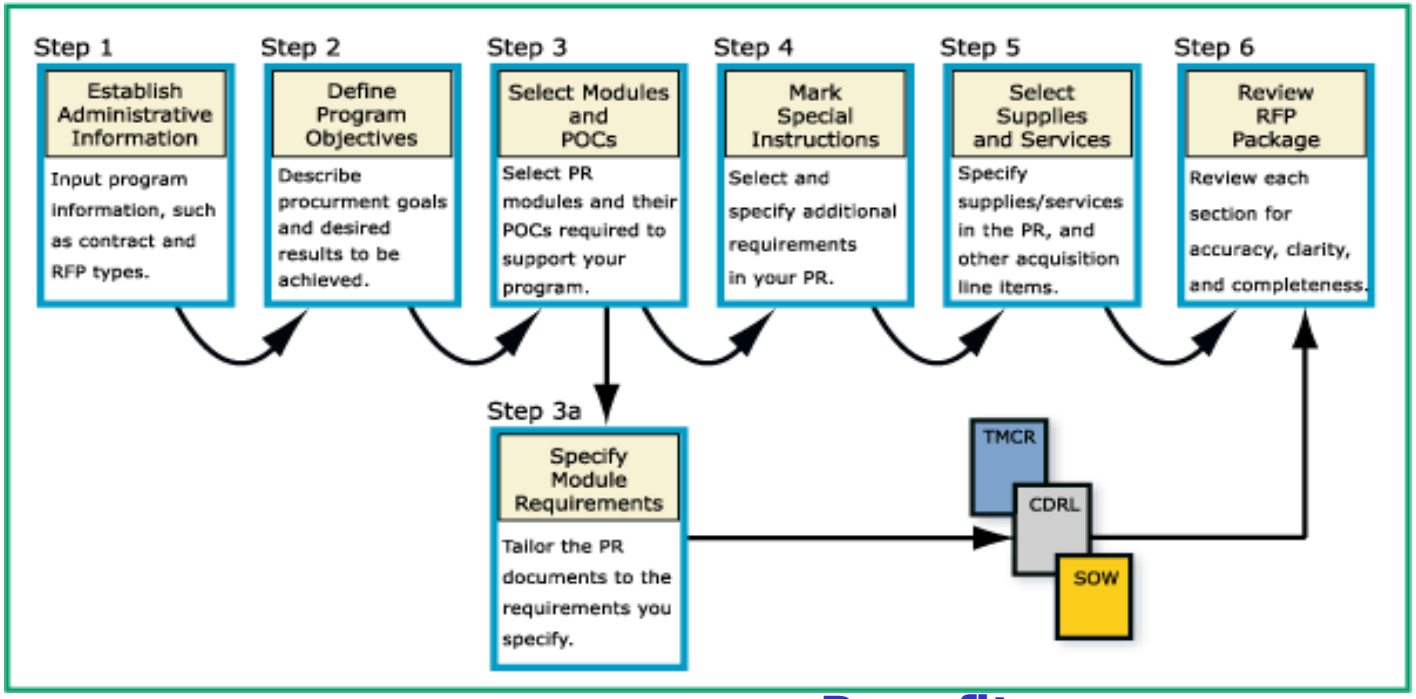
M-SPECS Concept

- **Break up specs and reqs into "piece parts" (modules)**
- **Associate the modules to questions that relate to functions or attributes**
- **Based on answers, only relevant modules included**
- **A tailored acquisition document is produced**

The Process


Scope of SMART²
Program Manager/ Program Office
Start
PM Guidance & Review of Source Documents
MNS, ORD, Acq Strat
Discrepancies found?
Yes
No
Coordinate Revisions with Originator
SMART2
Develop Solicitation Reqs
Solicit input from Supporting Activities
Consistent ?
Yes
No
Review inputs for consistency
Coordinate with Contracting Officer to draft RFP
Technical Support Activities
Support Elements
Maintenance Planning
Manpower & Personnel
Supply Support
Support Equipment
Training & Training Support
Technical Data
Computer Resources Support
Facilities
Packaging, Handling, Storage and Transportation
Enter/Submit Module Reqs
Acquisitions
Time
PHASE 1-3
CONTRACT EXECUTION
Submit/Post RFP

The SMART² Process


Step 1
Establish Administrative Information
Input program information, such as contract and RFP types.
Step 2
Define Program Objectives
Describe procurment goals and desired results to be achieved.
Step 3
Select Modules and POCs
Select PR modules and their POCs required to support your program.
Step 4
Mark Special Instructions
Select and specify additional requirements in your PR.
Step 5
Select Supplies and Services
Specify supplies/services in the PR, and other acquisition line items.
Step 6
Review RFP Package
Review each section for accuracy, clarity, and completeness.
Step 3a
Specify Module Requirements
Tailor the PR documents to the requirements you specify.
TMCR
CDRL
SOW

Features

- An intuitive user interface
- Real-time information transfer
- A rapidly deployable, scalable, secure and efficient application
- Project management capabilities
- Anytime, anywhere access
- A non-proprietary solution

Benefits

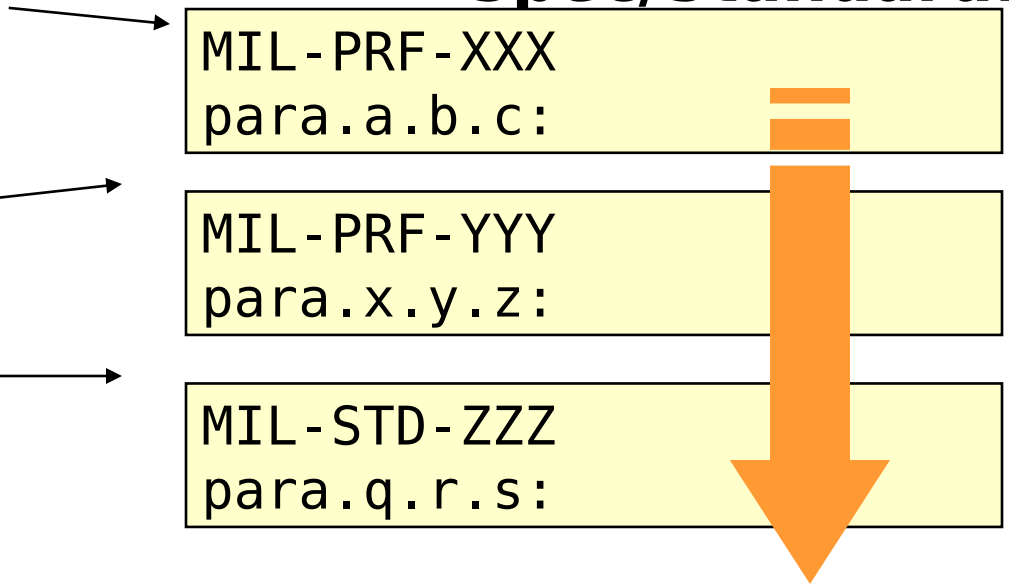
- Reduces acquisition costs
- Increases productivity
- Shortens the pre-solicitation process
- Integrates with downstream systems (e.g. SPS)

Generating Requirements

Question:

- **Do you need this?**
- **Do you need that?**
- **Does this apply?**

Spec/Standard:



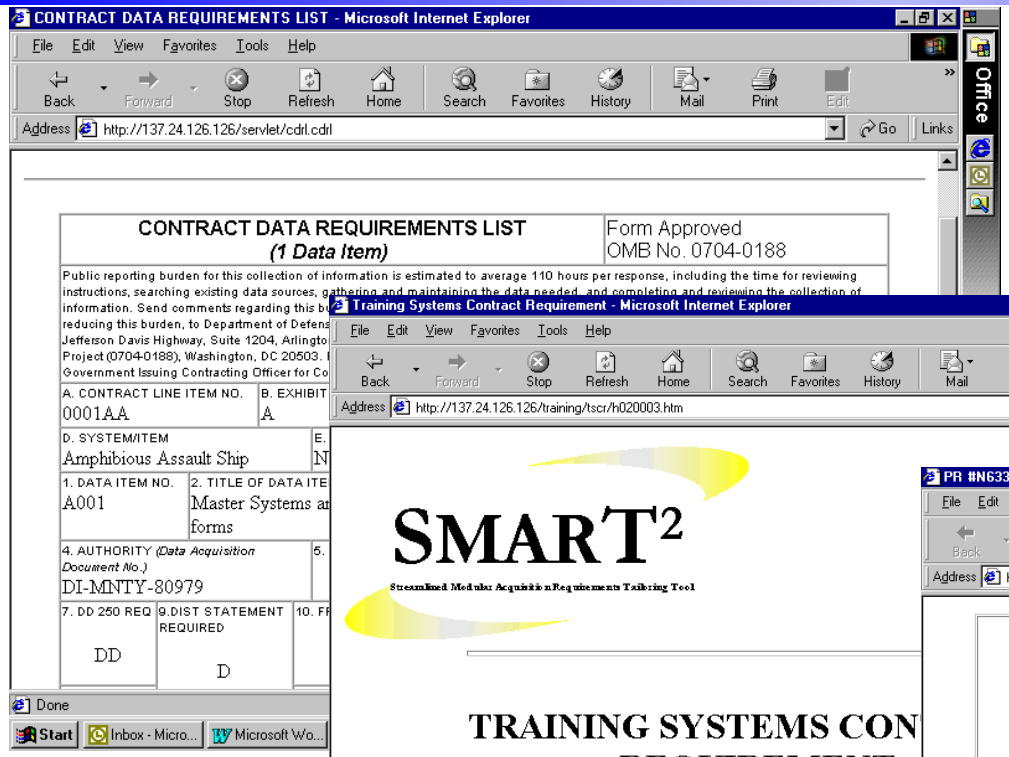
Supply Support Contract Requirement

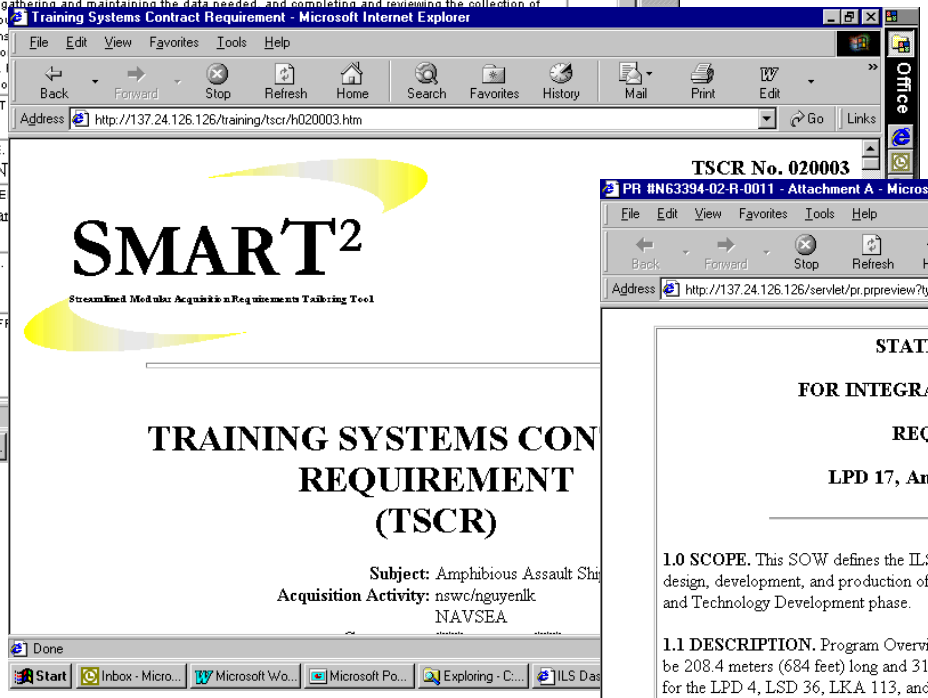
1. Scope
2. Deliverables
3. Requirements.

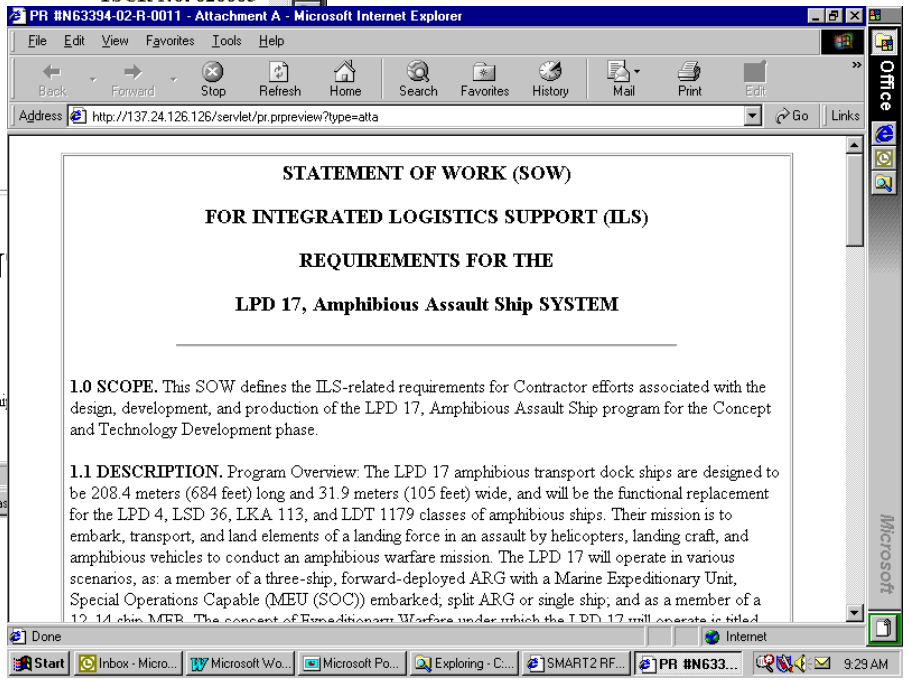
para.a.b.c
para x.y.z
para q.r.s

Sample Documents

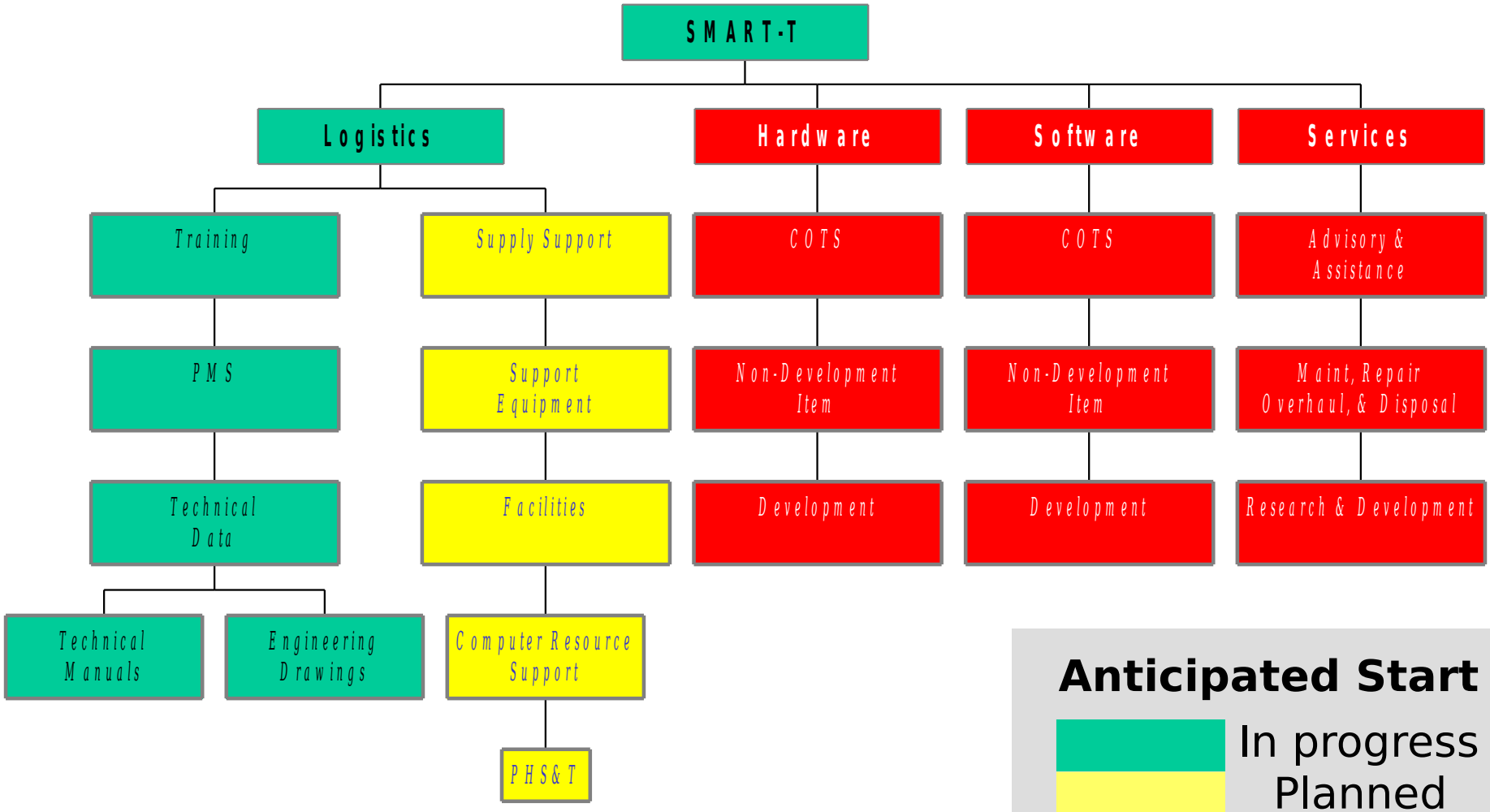
- √ CDRL Exhibits
- √ Contract Req Documents
- √ PSOW or SOO






PR #N63394-02-R-0011 - Attachment A - Microsoft Internet Explorer
STATEMENT OF WORK (SOW)
FOR INTEGRATED LOGISTICS SUPPORT (ILS)
REQUIREMENTS FOR THE
LPD 17, Amphibious Assault Ship SYSTEM
1.0 SCOPE. This SOW defines the ILS-related requirements for Contractor efforts associated with the design, development, and production of the LPD 17, Amphibious Assault Ship program for the Concept and Technology Development phase.
1.1 DESCRIPTION. Program Overview: The LPD 17 amphibious transport dock ships are designed to be 208.4 meters (684 feet) long and 31.9 meters (105 feet) wide, and will be the functional replacement for the LPD 4, LSD 36, LKA 113, and LDT 1179 classes of amphibious ships. Their mission is to embark, transport, and land elements of a landing force in an assault by helicopters, landing craft, and amphibious vehicles to conduct an amphibious warfare mission. The LPD 17 will operate in various scenarios, as: a member of a three-ship, forward-deployed ARG with a Marine Expeditionary Unit, Special Operations Capable (MEU (SOC)) embarked; split ARG or single ship; and as a member of a

Anticipated Scope



What we need from you

1. Identify all products you acquire
2. Identify all Specs/Standards you reference
3. “Modularize” these Specs & Standards into common “tailorable” levels
4. Associate these Specs & Standards to relevant questions
5. Provide logic path for questions to Specs & Standards, CDRL entries, SOW segments, tailoring of DIDs.